

Technical Data Sheet

Bmc T70-7003(H65)

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

General		
Uses	• Automotive Applications	• Housings
Appearance	• Grey	
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.97	1.97 g/cm ³	ASTM D792

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	9730 psi	67.1 MPa	ASTM D638
Flexural Modulus	1.80E+6 psi	12400 MPa	ASTM D790
Flexural Strength (Yield)	22500 psi	155 MPa	ASTM D790
Compressive Strength	21700 psi	150 MPa	ASTM D695

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Unnotched Izod Impact	5.0 ft·lb/in	270 J/m	ASTM D4812

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Barcol Hardness	55	55	ASTM D2583

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Dielectric Strength	390 V/mil	15 kV/mm	ASTM D149
Arc Resistance	184 sec	184 sec	ASTM D495

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 In (1.5 Mm)	HB	HB	
0.09 In (2.2 Mm)	HB	HB	
0.12 In (3.1 Mm)	HB	HB	

Additional Information	
Barcol Hardness, ASTM D2583: 54 to 56	
UL Flame Rating, UL 94, 0.058 to 0.062 in: HB	
UL Flame Rating, UL 94, 0.075 to 0.1 in: HB	
UL Flame Rating, UL 94, 0.120 to 0.125 in: HB	

Notes
¹ Type I

Notes
These are typical property values not to be construed as specification limits.